Bremerton Auto Wrecking SIT 2-1

STATEMENT OF WORK
Contract Number N4455-98-D-4408 CTO: xxx
Date: 02 December 1998 Rev: Orig

ENGINEERING FIELD ACTIVITY, NORTHWEST
NAVAL FACILITIES ENGINEERING COMMAND
POULSBO, WASHINGTON

1. BACKGROUND

The Bremerton Auto Wrecking Yard Landfill received public waste and demolition debris from 1968 until it closed in the late 1980's. A one-year Refuse disposal contract dated in 1968 indicates the Puget Sound Naval Shipyard contributed waste to the site. Information suggests that the Navy could have contributed between 40 to 60% of the total landfill volume.

This landfill is located 1.5 miles west of Gorst along the southeast side of State Highway 3 and is located in an 80 to 100 foot deep ravine through which Gorst Creek flows. A culvert was placed under and through the landfill to carry the flow of Gorst Creek. The landfill is between 6 to 10 acres in size. Currently, the Airport Auto Wrecking Yard is located directly adjacent to the landfill.

During severe rainfall between January and February of 1997, the north face of the landfill washed into the Gorst Creek ravine exposing garbage and debris that threatens State Highway 3. During inspection of State Highway 3, the Washington State Department of Transportation discovered the slide and notified the Department of Ecology (Ecology).

Ecology issued an Early Notice Letter (#N-18-5052-000), dated January 5, 1998, to the Department of Navy (Navy) in regards to the Bremerton Auto Wrecking Yard Landfill. Since the information to date suggests the Navy may have substantially contributed to the landfill, the Navy faces potential liability as a potentially responsible party.

This property has been added to the Ecology's list of known or suspected contaminated sites as being possibly contaminated by hazardous substances.

2. OBJECTIVE

The objective of this Contract Task Order is to develop a Site Hazard Assessment (SHA) for the Bremerton Auto Wrecking Yard Landfill. The Washington Department of Ecology SHA process evaluates if actual or potential environmental and public health hazards through site-specific investigations has occurred and applies the Washington Ranking Method (WARM) to allow the Department of Ecology to rank this site. The contractor will not develop the actual WARM ranking, but will provide the required data to facilitate Washington Department of Ecology ranking.

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3. Description of Tasks

This contract task order is broken down into four different tasks. Since the Bremerton Auto Wrecking Landfill is owned by a private citizen, the contractor does not have free access to the property. The contractor will need to coordinate all access to the landfill with the Navy. The Navy has gained permission from the owner to have access to the property during normal business hours (i.e. between 9:00 a.m. to 5:00 p.m.). In addition, access to the property is via an easement on property currently occupied by Airport Auto Wrecking Yard. The contractor will provide Engineering Field Activity, Northwest, with ten working days notice prior to starting fieldwork with an estimate of the duration of fieldwork. The contractor will also coordinating all field activities through Engineering Field Activity, Northwest.

3.1 Develop of a Sampling and Analysis plan:

Develop a Sampling and Analysis plan (SAP) for the Bremerton Auto Wrecking Yard Landfill to allow the site to be scored under the WARM system. Both the Navy and Ecology will review and comment on the plan. Observations and environmental information collected during the sample event shall be completed on the Site Hazard Assessment Data Collection Summary Sheets. Two issues that need to be considered in the Site Hazard Assessment are potential impacts to the Gorst Creek Fish Hatchery from contaminants that may be released from the site and the physical risk that the landfill poses to SR 3 due to potential future mass failure of the landfill structure.

The sampling plan developed shall contain, but is not limited to the following:

Soil sampling:

A total of ten samples will be collected for the soil sampling. Two samples will be collected upstream and downstream of the landfill in Gorst Creek ravine. Two samples will be collected on the forward and backside of the landfill. The remaining two samples will be collected on the top of the landfill.

The samples will be analyzed for the following:

- Total Priority Pollutant Metals (EPA Method 6010/7000)
- TCLP PP Metals (EPA Methods 1311/6000/7000)
- Mercury (USEPA Method 6020)
- Total Petroleum Hydrocarbons (WSDOE Method WTPH-G Modified)
- TPH-Diesel (WTPH-D Modified)
- PCB (EPA Method SW-846)

Groundwater sampling:

The contractor shall identify existing groundwater drinking wells in the area of the landfill for possible groundwater testing. The contractor shall investigate to determine if groundwater sample results from Kistap County's Department of Health could be obtained for inclusion in this SHA. If this sampling data is not available, a modification will be issued to sample those drinking wells identified during the investigation. The contractor shall assume as part of the modification sampling five drinking wells. New ground water wells will not be installed as part of this task order.

Surface water:

Surface water from Gorst Creek, a seasonal creek, was collected by HongWest & Associates Inc. The sample results, up stream and downstream of the landfill, will be provided to the contractor and used in the SHA.

The SAP shall include a plan for surveying the subject parcel of land (Kitsap County Tax Assessor Parcel No. D-012301-4-022-1005, Section 1 T23N R1W NE¼ of SE¼, known as the Bremerton Auto Wrecking Landfill). The contractor shall resurvey the boundaries for the landfill, establish monuments for further reference points, and provide markers for establishing the easement for access to the landfill and the boundaries of the landfill property. The contractor shall also perform a record search of the adjacent properties to determine ownership of these properties.

3.2 Develop a Health and Safety Plan:

Develop a Health and Safety Plan. It should be noted that waste is spread on the ground. The Navy will review and comment on the plan.

3.3 Sampling and Analysis

Upon approval of both task 3.1 and task 3.2, the contractor shall sample in accordance with the approved sampling and analysis plan. As required by Model Control Toxics Act, split samples will be taken and provided to the owners of the landfill upon request. The contractor shall develop a photo log of the site.

3.4 Report

A report will be generated containing the sample results and will be provided to both the Navy and Ecology for review and comment. The samples will be compared to Model Toxics Control Act Method A for Soil and Method B for groundwater and surface water.

The final Site Hazard Assessment Report and photo log shall be provided in both hardcopy and electronic format one each for the Navy and Ecology. The electronic submitted shall be provided on CD-ROM. The electronic submittal will consist of:

- Site Hazard Assessment Report will be provided in both Native file format (Microsoft Word, Microsoft Excel, etc.) and Adobe Acrobat 3.0 or latest edition, which ever is newer.
- Photo log provided in Native file format (Microsoft photoeditor etc.)
- Survey Map provided in GIS format
- Analytical results in both native file data base (Microsoft Access) format and in TDMS format.

Provide a file directory with folders titled "Native File", "TDMS", "GIS", and a file titled "Study.pdf" . Place all native files, TDMS files, and GIS files in their respective directories.

4. SCHEDULE OF EVENTS AND DELIVERABLES

Deliverables	Task	Quantity	Completion Schedule *
Sampling and Analysis Plan	3.1	2	45 days
Health and Safety Plan	3.2	2	45 days
Site Hazard Assessment Report	3.4	2	180 days

* Calendar Days from award of the contract

5. POINT OF CONTACT:

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